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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/477,962

DATE: 07/07/2001

TIME: 13:10:36

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4 DU, LIANGCHENG
5 SANCHEZ, CESAR
6 CHEN, MEI
7 EDWARDS, DANIEL J.
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11 <130> FILE REFERENCE: 407T-895820US
13 <140> CURRENT APPLICATION NUMBER: 09/477,962
14 <141> CURRENT FILING DATE: 2000-01-05
16 <150> PRIOR APPLICATION NUMBER: 60/115,435
17 <151> PRIOR FILING DATE: 1999-01-06
19 <150> PRIOR APPLICATION NUMBER: 60/118,848
20 <151> PRIOR FILING DATE: 1999-02-05
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370	ttcttcttca	ccaactacca	cgtcttccac	gtgctcgacc	gctggatcga	ccgcggcgctc	10200
372	ggccacgctg	ccaacgagct	ctacggcgag	tccaccttcc	ccttctgcgg	catcttccgc	10260
374	ctgaaccggg	agaccggcga	gctggaggtc	cgcacgagct	acgacagcct	gcagttctcc	10320
376	gacgcctcca	tggagagcgt	ccgcgacagc	tacggcccg	tcctcgcggc	cctggtcgcc	10380
378	gaccccgacg	ggcgctacga	ccggcagcag	ttccgctccg	accgcgaccg	ggccgcactg	10440

RAW SEQUENCE LISTING

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Input Set : A:\407t8958.app

Output Set: N:\CRF3\07062001\I477962.raw

```

380 gccgtcctca cccgcggggc cgaggcgccg gcggcggacc ggtgcctgca cgacctgggtg 10500
382 gcggaccggg cgggcgagcc ccccgacgcc ccggccgtcc agctggacac cgacgtgctc 10560
384 agctacggcg agctcgaccg ccgcgccaac cggctggccc accacctgcg ttcgtcggc 10620
386 atcggcccg agagcgctgt cggcgctctg gccgaacgt ccctcgccca gatcatcggc 10680
388 ctctcgcgg tctcaaggc gggcgccgc tacgtccgc tcgaccggc ccagcccgc 10740
390 gagcgctcg ccgcgctcat cgcggggagc gggcgccgc ccgtcctcca ccggcccggc 10800
392 ctggaaggc ggctgcccgc gggcgctcgc gcgtcccca ccgacggcg cgacggcagc 10860
394 accgccacgc acgaccccg gccacccgc acgcccgc aacggcgta cgtgatgtac 10920
396 acctccgat ccaccggaga gcccaaggc atcgtcgtcg aacaccgcaa cgtcgtggcc 10980
398 tccctcgccg ccgcggcgcc ccactacgc gcgggaccg gccggttcct gctgctgtcc 11040
400 tcttcgcct tcgacagctc ggtcgccggc atcttctgga cgtgaccca gggcggcacc 11100
402 ctgctcctgc ccggcgaggg acagcaactc gaccccgccg cgtggtgga gaccatcgcc 11160
404 cggaacggc ccaccacac cctcgccatc ccctccctgc tggcgccgt cctggaccag 11220
406 gccgccccg gcgaacctgc ctccctgcgc acgggtgatc ccgggggga gtctgtcgc 11280
408 gccgaactgg ccgcgcctg ccgggacctg ctgcccggga gcacctcca caacgagtac 11340
410 ggccccaccg agaccacgt gtggagcacc gtctggtccc aggagaacga gcacgacgga 11400
412 cccacctcc ccacggcgcc gcgggtcgc ggaacctggg tgcaccccg cgaccaccgc 11460
414 ggacgcaccg tcccccgcg cgtcgccgc gaactctoca tcggcggcgc cggcggtggc 11520
416 cgcggctacc tcggggcgcc ccgggacacc ggcgcgcct tccgcccga cccgaggcc 11580
418 acggctcccg gcggcgccgc ctacgccacc ggcgaacctg gccgtacct cccgacggc 11640
420 aacctggagt tctcgcccg ccgcgaccac caggtaaga tccgcggtt ccgggtcgag 11700
422 ctcgcgaga tcgaggcgt cctcgacacc caccggagc tcagcgga cctcgtcatg 11760
424 gcacgcggcg accaccccg cgaccagggt ctgctgcct acgtcctccc cgccccggc 11820
426 cgggcgcccg aaccgcccga catccagggt tacgtcgcg accggtgcc ccgtacatg 11880
428 gtgcccaccg cggtgatcgt cctcgacgcg gtacgcgtga ccgcccgg caaggtcgac 11940
430 cgggcctgc tccccgcgc cagccacgc cagctcacc gggaccagga gtacgtcgag 12000
432 cccggcaccg acaccgagcg ggcgtcgcg gccatctggg ccgacgtcct caaactggac 12060
434 cggatcgggg ccggtgaccg cttcttcgac gtggcgggcg aatccctgcg cgcgatgcag 12120
436 gccaccgccc cggccaacaa gatgttccgc acccgctct ccgtccgcg cctcttcgag 12180
438 gcgcccctcc tcggggagtt cgcaccagag atcgacaagg ccgcctcgc gggcgggcg 12240
440 accggcctca ccggccccgc ggcgcgcgc gccaccggag gtgcgcgga atgaccccg 12300
442 ccgcgacac caccaccccg ctctgcgcg ccagcgag catgtggtt ctgcaccggc 12360
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458 tcgcggggc ccggacccc ctcgacac ccgcgcgg ctacggacg cagtgcggga 12840
460 cgcggcggc ggaacaggac gaggccggc gggagttct gcgcgcgaa ctgtccggc 12900
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466 ccgtcaccg ctacgtgct ctgctcgcg ccctgcctg cctggtcgc cggtacaccg 13080
468 gccggacgga cgtggtgate ggtcaccgc tcggactgc cgaggacccc gaagggtcg 13140
470 ccaccgtcg ccgatgctc aacctgctgc cgtgcgcct ccggtgcac ggcgacccc 13200
472 gcttcggcg ggtcctggc cgcacccgg agacgtgct cggcgcgct gagcaccgca 13260
474 ccacaccgt cgaggacatc gtcgacgcg tggcgccga ccgggacccg gacgtcagcc 13320
476 ccctcttcca gatcctctt gccacgaac gcccccgcc cccaccgcg ttaccgggcg 13380

```


 Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/477,962

DATE: 07/07/2001

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Input Set : A:\407t8958.app

Output Set: N:\CRF3\07062001\I477962.raw

L:2438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:3277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:3299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:3316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:3382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:3401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:3487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86
L:3513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:3536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:3553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89
L:3575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:3608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:3642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92